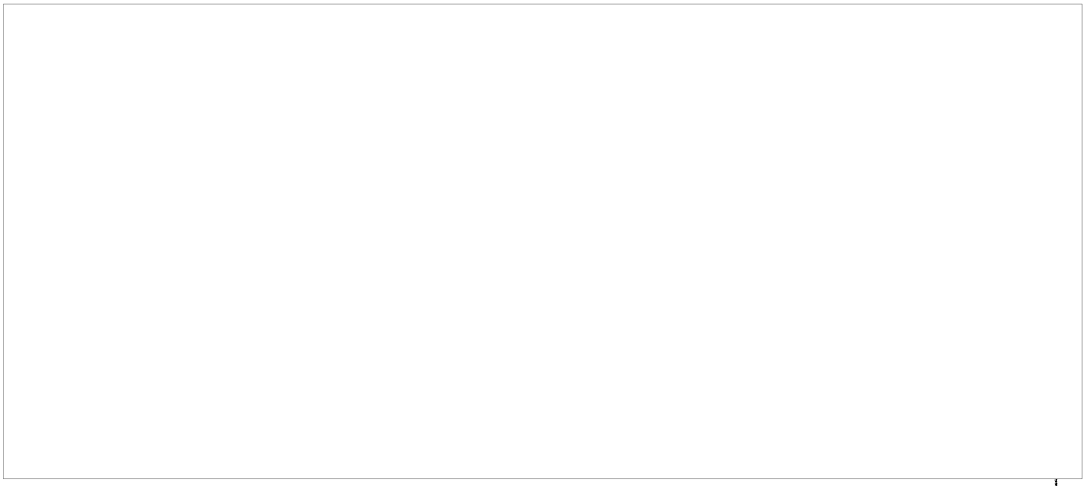
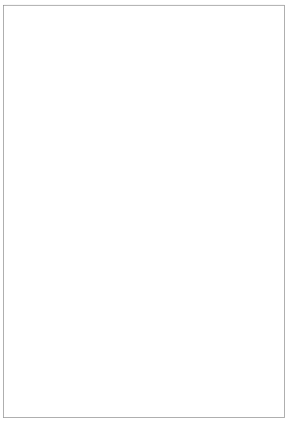


50X1-HUM

BUNA WORKS AT SCHKOPAU (GERMANY)

50X1-HUM



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SECRET

7-443

SECRET

BUNA WORKS AT SCHKOPAU

1. Perbunan Manufacture

The manufacture of Perbunan, which has just been started at B 39, uses the following starting materials:

Diproxide, butadiene, styrene, and "Sapal".

Sapal is very rare and its sale is strictly controlled. Therefore, a shop for the production of this substance will be established at F 45, on an experimental basis, which is to start full-scale production on 1 Dec 1949.

The processing of one batch for the manufacture of Perbunan at B 29 is 68 hours, at a temperature of 50°C. Two boilers, each with a capacity of 21,000 liters, are at present in service.

Batch No. 11 was started on 8 November.

2. Shortage of sodium hydroxide.

The chlorine cells ("Chlorbettzellen") are indispensable for increasing the production of sodium hydroxide at the Buna Works. At the beginning of 1945, 40 of these cells were sent to the Western Zone for repairs. Only 12 have been repaired by now, and the costs have risen greatly.

3. Rubber shock absorbers

In agreement with the Reichsbahn, a new type of shock absorber has been installed on the railroad cars which belong to the plant. Two coal trains on the Senftenberg-Leuna line have been equipped with them.

The shock absorbers have an outer diameter of 16 cm, an inner diameter of 5 cm, and are 180 cm long.

They are manufactured in shop C 19, by the injection nozzle method, developed by shop foreman Ranft.

4. On 3 November, the production of aluminum chloride was resumed in the part of the plant known as "H-Street", after a stoppage of two months, caused by the lack of raw material.

New shipments of bauxite, reportedly imported, arrived at the beginning of November. The resumption of production after the receipt of this shipment indicates that the management considers this production very essential.

In order to obtain a great yield from the raw materials, clay is added. Only one furnace has been put into operation, and even this single furnace has to be shut down occasionally, because there is not enough raw material available to operate it continuously.